Amendment Response under 37 C.F.R.§ 1.111

      This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (Currently Amended) A method ~~of connection establishment in a short-range wireless communication environment~~, comprising:

    a)   generating a RF-ID interrogation signal by a first terminal equipped with a RF-ID tag reader device;

    b)   detecting the RF-ID interrogation signal by a second terminal when within the range of the RF-ID interrogation signal;

    c)   in response to detecting the presence of the RF-ID interrogation signal, providing a notification to activate a processor in the second terminal, the processor using the notification for setting a short-range communication module in the second terminal into a ~~predefined operation~~ page scanning mode for detecting paging signals directed to the second terminal;

    d)   responding to the RF-ID interrogation signal by transmitting a RF-ID response signal to the first terminal including identification information relating to the short-range communication module of the second terminal;

    e)   processing the received RF-ID response signal by the first terminal to activate a short-range communication module in the first terminal to initiate a shortened session setup by skipping the inquiry mode; transmitting a short-range paging signal directed to the second terminal based on information of the received RF-ID response signal and entering a page mode to establish a short-range connection with the second terminal; and

    f)   detecting the paging signal by the short-range communication module in the second terminal for immediate establishment of a short-range connection between the first and second terminals by skipping the inquiry mode .

2.   (Original)   The method of Claim 1 further comprising:

    g)   incorporating in the second mobile terminal a RF-ID tag reader having tag functionality and terminal identification information.

3.   (Original)   The method of Claim 2 further comprising:

     h)   switching the RF-ID tag reader in the second terminal to operate in a show communication mode and simulate a RF-ID tag device.

4.   (Original)   The method of Claim 1 wherein the first and second terminals include RF-ID tag readers operating in an active mode.

5.   (Original)   The method of Claim 1 wherein the RF-ID tag reader of the second terminal operates in a powered down state and passive mode.

6.   (Original)   The method of Claim 4 wherein one RF-ID tag reader automatically switches to a passive state when de-energized.

7.   (Original)   The method of Claim 1 wherein the short-range communication modules of the first and the second terminals conform to the principles of Bluetooth technology.

8.   (Original)   The method of Claim 7 wherein the processor of the second terminal responding terminal to the second terminal informs the Bluetooth module of the second terminal to enter into a Bluetooth page scan mode after detecting an interrogation signal and responding to it with identification information of the Bluetooth communication module in order to provide a shortened device discovery and session setup between the terminals.

9-15.   (Canceled)

16.   (Original)   The method of Claim 1, wherein the first and the second terminals are mobile terminals.

17.   (Original)   The method of Claim 16 further comprising:

     j)   determining whether a short-range connection is acceptable.

18.   (Original)   The method of Claim 17 further comprising:

        k)   instructing the short-range communication module to enter into a page scanning mode if the Bluetooth mode is acceptable.

19.   (Original)   Method of Claim 17 further comprising:

        l)   instructing the short-range communication module to enter into a non-connectable connection if the Bluetooth mode is not acceptable.

20-51. (Canceled)

52-55   (Withdrawn)

56.   (Currently Amended) A method ~~of connection establishment in a wireless communication terminal~~, comprising:

        a)   detecting a RF-ID interrogation signal <u>in a wireless communication terminal</u>;

        b)   responding to the RF-ID interrogation signal by transmitting a RF-ID response signal including identification information relating to a wireless short-range module of the terminal and providing ~~the~~ <u>a</u> notification <u>signal</u> to a processor in the wireless communication terminal; and

        c)   in response to the notification signal, activating the processor to instruct a wireless short-range communication module in the wireless communication terminal to enter into a ~~predefined shortened session set-up operation~~ <u>page scanning</u> mode for detecting paging signals.

57.   (Previously Presented)   The method of claim 56 further comprises:

        d)   including in the RF-ID response signal at least a unique Bluetooth identification number of the wireless short-range communication module.

58.   (Previously Presented)   The method of claim 56 further comprises:

        d)   including in the RF-ID response signal a Bluetooth serial number and Bluetooth Clock Offset information of the wireless short-range communication module.

    59.   (Previously Presented)   The method of claim 56 further comprises:

        d)   entering into a Bluetooth page scan mode after detecting the interrogation signal.

    60.   (Previously Presented)   The method of claim 56 further comprises:

        d)   receiving a paging signal as an initial signal to activate the wireless short-range communication module.

    61.   (Previously Presented)   The method of claim 56 further comprises:

        d)   skipping an inquiry stage and initiating a shortened session set up upon receiving a paging signal.

    62.   (Currently Amended) A wireless communication terminal Apparatus comprising:

        a)   a processor;

        b)   a wireless short-range communication module configured to communicate over a wireless short-range communication connection; and

        c)   a near field communication module configured to detect a RF-ID interrogation signal and send a response signal including identification information relating to the wireless short-range communicant module, the wireless near field communication module further configured to provide to the processor a notification of the interrogation signal of the presence of the RF-ID interrogation signal, and

    wherein the processor is configured to instruct the wireless short range-communication module to enter into a predefined operation page scanning mode for detecting paging signals to establish a wireless short-range communication connection in response to receiving the notification from the near field communication module.

    63.   (Previously Presented)   The wireless communication terminal of claim 62

further comprises:

        d)   a unique Bluetooth identification number of the wireless short-range communication module included in the RF-ID response signal.

      64.   (Previously Presented)   The wireless communication terminal of claim 62 further comprises:

    d)   a Bluetooth serial number and Bluetooth Clock Offset information of the wireless short-range communication module including in the RF-ID response signal.

      65.   (Previously Presented)   The wireless communication terminal of claim 62 further comprises:

        d)   entering into a Bluetooth page scan mode ~~entered~~ into after detecting the interrogation signal.

      66.   (Previously Presented)   The wireless communication terminal of claim 62 further comprises:

        d)   a paging signal to activate the wireless communication module after receiving the interrogation signal.

      67.   (Previously Presented)   The wireless communication terminal of claim 62 further comprises:

        d)   skipping an inquiry stage and establishing a shortened session set upon receiving a paging signal.

      68.   (Currently Amended) a computer program product, <u>executable in a computer system</u> ~~for connection establishment in a wireless communication terminal~~, comprising:

        a)   a computer readable medium~~, executable in a computer system and~~ storing:

        i)   program code for detecting a RF-ID interrogation signal and generating <u>in a wireless communication terminal</u> a notification of the RF-ID interrogation signal; and

       ii)   program code for providing the notification to activate a processor, the processor using the notification to instruct a wireless short-range communication module to enter into a ~~predefined operation~~ page scanning mode for detecting paging signals.

69.   (Previously Presented)   The computer program product of claim 68, further comprising:

       iii)   program code for entering into a Bluetooth page scan mode after detecting the interrogation signal.

70.   (Previously Presented)   The computer program product of claim 68, further comprising:

       iv)   program code for receiving a paging signal to activate the wireless short-range communication module.

71.   (Previously Presented)   The computer program product of claim 68, further comprising:

       v)   program code for skipping an inquiry stage and initiating a shortened session set up upon receiving a paging signal.

72.   (Previously Presented)   The method of claim 1 further comprising:

       (iv)   instructing the second terminal to enter into a page scanning mode if the notification indicates a Bluetooth connection is acceptable.

73.   (Previously Presented)   The method of claim 1 further comprising:

       (iv)   instructing the second terminal to enter into a non-connectable mode if the notification indicates a Bluetooth connection is not acceptable.

74.   (Previously Presented)   The method of claim 1 further comprising

       (iv)   determining if a Bluetooth connection between the first and second terminals is acceptable using a control circuit responsive to the processor.